INDEX OF ELECTRICAL DRAWINGS

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GENERAL NOTES

THE INTENT OF THIS PROJECT IS TO UPGRADE THE EXISTING FIRE ALARM AND TO BRING THE SYSTEM UP TO CURRENT CODES AND ADA COMPLIANCE. EXISTING NON-ADDRESSABLE DEVICES SHALL BE REPLACED WITH ADDRESSABLE DEVICES TO CONVERT THE FIRE ALARM SYSTEM FROM A ZONE TYPE TO AN ADDRESSABLE SYSTEM. THE INTENT IS TO LEAVE EXISTING INITIATING ZONE WIRING IN PLACE. ADDRESSABLE ID-NET EXPANSION MODULES SHALL BE PROVIDED AND RETROFITTED TO THE EXISTING FIRE ALARM CONTROL PANEL, WHICH WILL ENABLE THE EXISTING WIRING TO PERFORM AN ADDRESSABLE FUNCTION IN CONJUCTION WITH THE NEW ADDRESSABLE DEVICES.

HORN/STROBE INDICATING DEVICES SHALL BE PROVIDED TO REPLACE EXISTING HORNS, AND ADDITIONAL HORN/STROBES SHALL BE PROVIDED TO COMPLY WITH WITH ADA REQUIREMENTS. IN MANY CASES, NEW INDICATING WIRING AND CONDUIT SHALL BE REQUIRED FOR THIS UPGRADE, AND NAC PANELS SHALL BE PROVIDED TO POWER THE INDICATING CIRCUITS.

NEW CONDUIT SHALL BE RUN CONCEALED WITHIN THE EXISTING ACCESSIBLE CEILINGS AND IN EXISTING PARTITION WALLS. 4. IN AREAS WITH NON-ACCESSIBLE CEILINGS OR MASONRY WALLS, NEW CONDUIT SHALL BE RUN SURFACE MOUNTED. THE CONTRACTOR SHALL PAINT ALL CONDUIT TO MATCH THE EXISTING WALL AND CEILING SURFACES. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO PENETRATE, CORE DRILL, PATCH, AND REPAIR (AND PAINT) EXISTING CEILINGS AND WALLS FOR THE INSTALLATION OF WORK UNDER THIS CONTRACT.

. ALL EXISTING WALLS EXTEND CONTINUOS ABOVE CEILINGS TO STRUCTURE. INSTALLATION OF NEW CONDUIT WILL REQUIRE PENETRATIONS THROUGH EXISTING WALLS. THE CONTRACTOR SHALL PROVIDE ALL CORE DRILLING AND SEALING OF PENETRATIONS AS REQUIRED.

6. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.

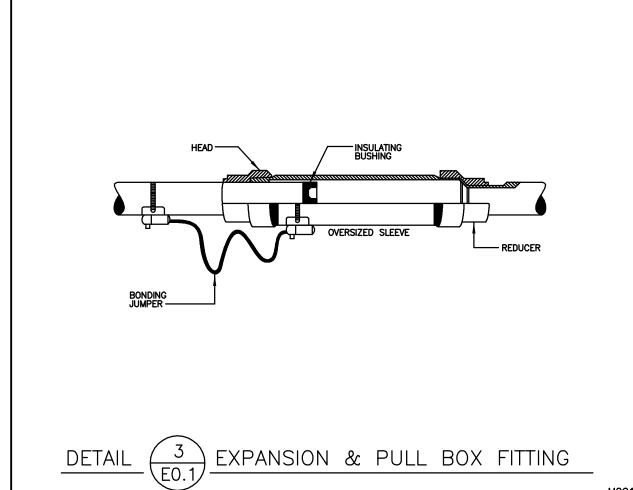
CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF ALL EQUIPMENT WITH APPROVED SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.

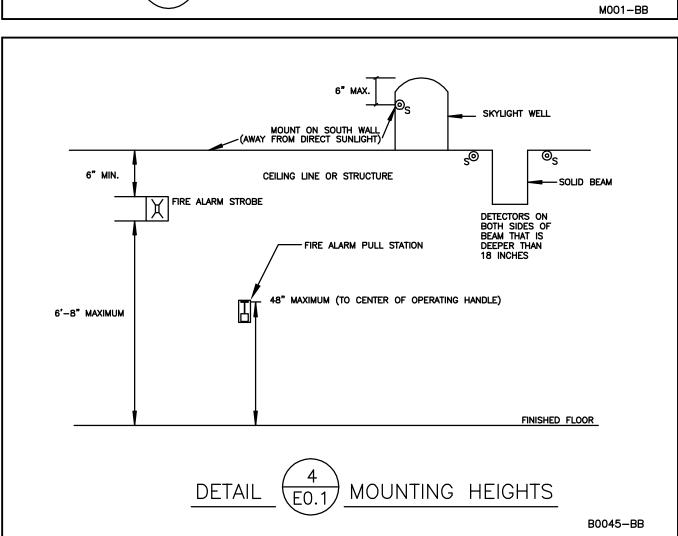
8. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT. LOCATE DEVICES AS REQUIRED TO AVOID BEING HIDDEN BEHIND OR ENCUMBERED BY CABINETS, MILLWORK, ETC.

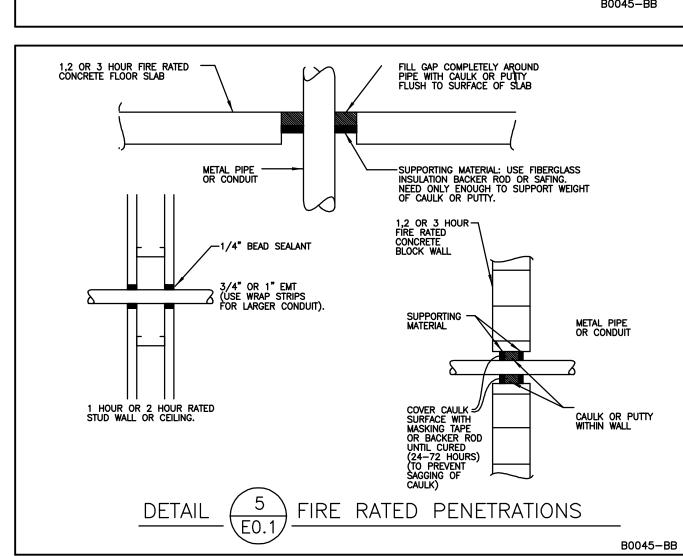
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.

10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED. 11. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.

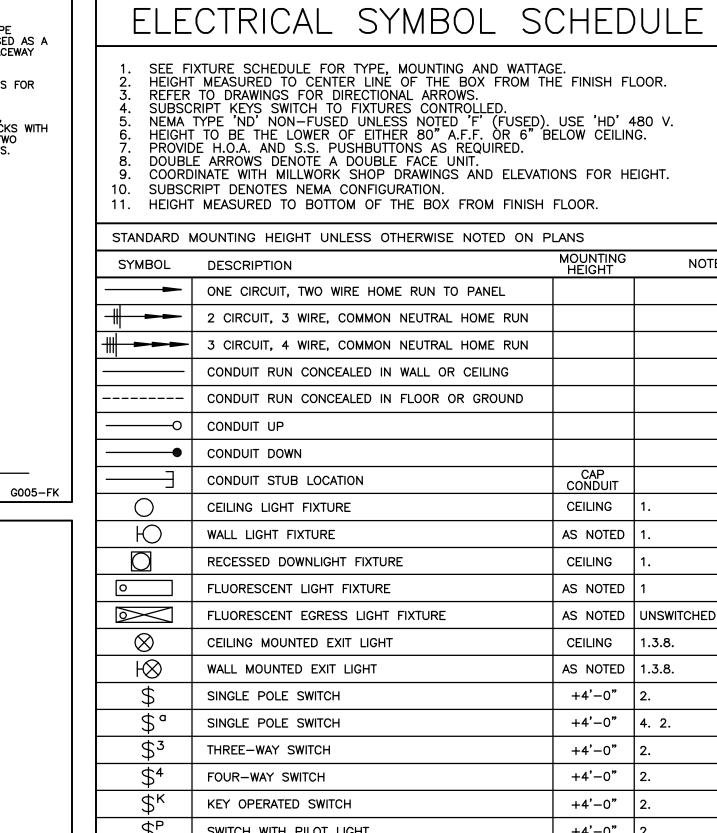
NOTES: 1. TIE WIRE AND OTHER TYPE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM. 2. USE EXPANSION ANCHORS FOR CONCRETE STRUCTURE. - BEAM CLAMP OR HANGER CLAMP AS REQUIRED BY WEIGHT SUPPORTED. — ALL THREAD — SIZE AS REQUIRED. —— RACEWAY, 3/4" THRU 6" --- CONDUIT HANGER STRUCTURAL UNIT — BEAM CLAMPS OR — HANGER CLAMPS AS REQUIRED BY WEIGHT SUPPORTED - RACEWAY - 3/4" THRU 1" ∠ RACEWAY − 3/4" THRU 1" SINGLE RACEWAY SUPPORT METHODS







3. PROVIDE TRAPEZE STYLE, MOUNTING CHANNEL RACKS WITH SEISMIC BRACING FOR TWO OR MORE CONDUIT RUNS.



| | CONDUIT RUN CONCEALED IN FLOOR OR GROUND | | |
|---|--|------------------------------------|--------------------------------------|
| 0 | CONDUIT UP | | |
| | CONDUIT DOWN | | |
| | CONDUIT STUB LOCATION | CAP | |
| | | CONDUIT | 1. |
| | CEILING LIGHT FIXTURE | | 1. |
| Ю | WALL LIGHT FIXTURE | AS NOTED | 1. |
| | RECESSED DOWNLIGHT FIXTURE | CEILING | 1. |
| 0 | FLUORESCENT LIGHT FIXTURE | AS NOTED | 1 |
| | FLUORESCENT EGRESS LIGHT FIXTURE | AS NOTED | UNSWITCHED |
| | | | |
| \otimes | CEILING MOUNTED EXIT LIGHT | CEILING | 1.3.8. |
| Ю | WALL MOUNTED EXIT LIGHT | AS NOTED | 1.3.8. |
| \$ | SINGLE POLE SWITCH | +4'-0" | 2. |
| \$° | SINGLE POLE SWITCH | +4'-0" | 4. 2. |
| | THREE-WAY SWITCH | +4'-0" | |
| \$3 | | | 2. |
| \$4 | FOUR-WAY SWITCH | +4'-0" | 2. |
| \$ ^k | KEY OPERATED SWITCH | +4'-0" | 2. |
| \$P | SWITCH WITH PILOT LIGHT | +4'-0" | 2. |
| \$ ^D | VARIABLE INTENSITY SWITCH | +4'-0" | 2. |
| | | | |
| ∏ | TIMER SWITCH | +4'-0" | 2. |
| Τ | LOW VOLTAGE TRANSFORMER | | |
| \oplus | DUPLEX RECEPTACLE | +16" OR AS NOTED | 9. 11. |
| ⊕ _{WP} | WEATHERPROOF RECEPTACLE | +24" OR | 2. 9. |
| → WP | GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE | AS NOTED +16" OR | 9. 11. |
| $\overline{}$ | | AS NOTED +16" OR | |
| (IA) | TELEVISION OUTLET (MATV) | AS NOTED | 11. |
| | TELEPHONE OUTLET | +16" OR AS NOTED | 9. 11. |
| × | CALL SWITCH | +4'-0" | 2. |
| | CLOCK OUTLET | +7'-6" | 8. |
| | | +7'-6" | |
| SC | CLOCK/SPEAKER COMBINATION | 7/-0 | |
| <u> </u> | TYPE 1 SPEAKER (SECURITY TYPE) | | |
| \mathbb{S}_2 | TYPE 2 SPEAKER (RECESSED) | WALL/CLG | |
| IC M | INTERCOM MASTER TELEPHONE | | |
| <u> </u> | JUNCTION BOX ('F' IN FLOOR) | AS NOTED | |
| | · | | |
| | PANEL BOARD | TOP AT +6'-0" | |
| | MAIN DISTRIBUTION PANEL | | |
| | TELEPHONE TERMINAL BOARD | | |
| \Box | BELL | +7'-6" | |
| | | . 4' 0" | |
| F | FIRE ALARM MANUAL STATION | +4'-0" | 2. |
| | FIRE ALARM SIGNAL HORN/STROBE PROJECTORS | +6'-8" | 6. |
| H | FIRE ALARM SIGNAL HORN/STROBE | +6'-8" | 6. |
| SD | SMOKE DETECTOR | CEILING | |
| | DUCT SMOKE DETECTOR | | MTD. IN DUCT |
| <u> </u> | | | WID. IN BOOT |
| ⊚н | HEAT DETECTOR | CEILING | |
| | FIRE/SMOKE DAMPER | | |
| \bigcirc | DOOR HOLDER | AS NOTED | |
| Fs | FLOW SWITCH | 1 | |
| | | | |
| Ts | TAMPER SWITCH | 1 | |
| W _F | WATER FLOOD INDICATOR | | |
| • | O.S. & Y. VALVE/SPRINKLER RISER | <u>l</u> | SEE DIAGRAM |
| R | FIRE ALARM RELAY | | |
| CM | FIRE ALARM CONTROL MODULE | | |
| | - · - · · · · · · · · · · · · · · · · · | 1 | |
| [1414] | EIDE ALADM MONITOR MORULE | | 1 |
| MM | FIRE ALARM MONITOR MODULE | | |
| MM S | FIRE ALARM MONITOR MODULE FIRE ALARM STROBE | +6'-8" | 6. |
| | | +4'-0" | 6. |
| <u>s</u> | FIRE ALARM STROBE | +4'-0" | 6. |
| <u>S</u> | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH | +4'-0" DOOR JAMB | |
| <u>S</u> | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH | +4'-0" | 6. MOUNT AS PER. MAN |
| © S D D D D D D D D D D D D D D D D D D | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH | +4'-0" DOOR JAMB | |
| <u>S</u> | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH | +4'-0" DOOR JAMB | MOUNT AS PER. MAN |
| © S D D D D D D D D D D D D D D D D D D | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK | +4'-0" DOOR JAMB | MOUNT AS PER. MAN |
| S | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK | +4'-0" DOOR JAMB CEILING | MOUNT AS PER. MAN |
| SS | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN |
| S | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK | +4'-0" DOOR JAMB CEILING | MOUNT AS PER. MAN |
| SS | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN |
| | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER CLOSED CIRCUIT TELEVISION CAMERA | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN |
| SS | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER CLOSED CIRCUIT TELEVISION CAMERA DOOR POSITION INDICATING SWITCH ARCHITECTURAL ROOM NUMBER | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN MOUNT AS PER. MAN |
| S | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER CLOSED CIRCUIT TELEVISION CAMERA DOOR POSITION INDICATING SWITCH ARCHITECTURAL ROOM NUMBER LIGHT FIXTURE (LETTER DESIGNATES TYPE) | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN MOUNT AS PER. MAN |
| SS | FIRE ALARM STROBE DURESS PUSHBUTTON SECURITY SYSTEM DOOR SWITCH SECURITY SYSTEM OVERHEAD DOOR SWITCH MAGNETIC SHEAR LOCK SECURITY MOTION DETECTOR ELECTRIC DOOR LOCK ACCESS CONTROL CARD READER CLOSED CIRCUIT TELEVISION CAMERA DOOR POSITION INDICATING SWITCH ARCHITECTURAL ROOM NUMBER | +4'-0" DOOR JAMB CEILING +4'-0" | MOUNT AS PER. MAN MOUNT AS PER. MAN |

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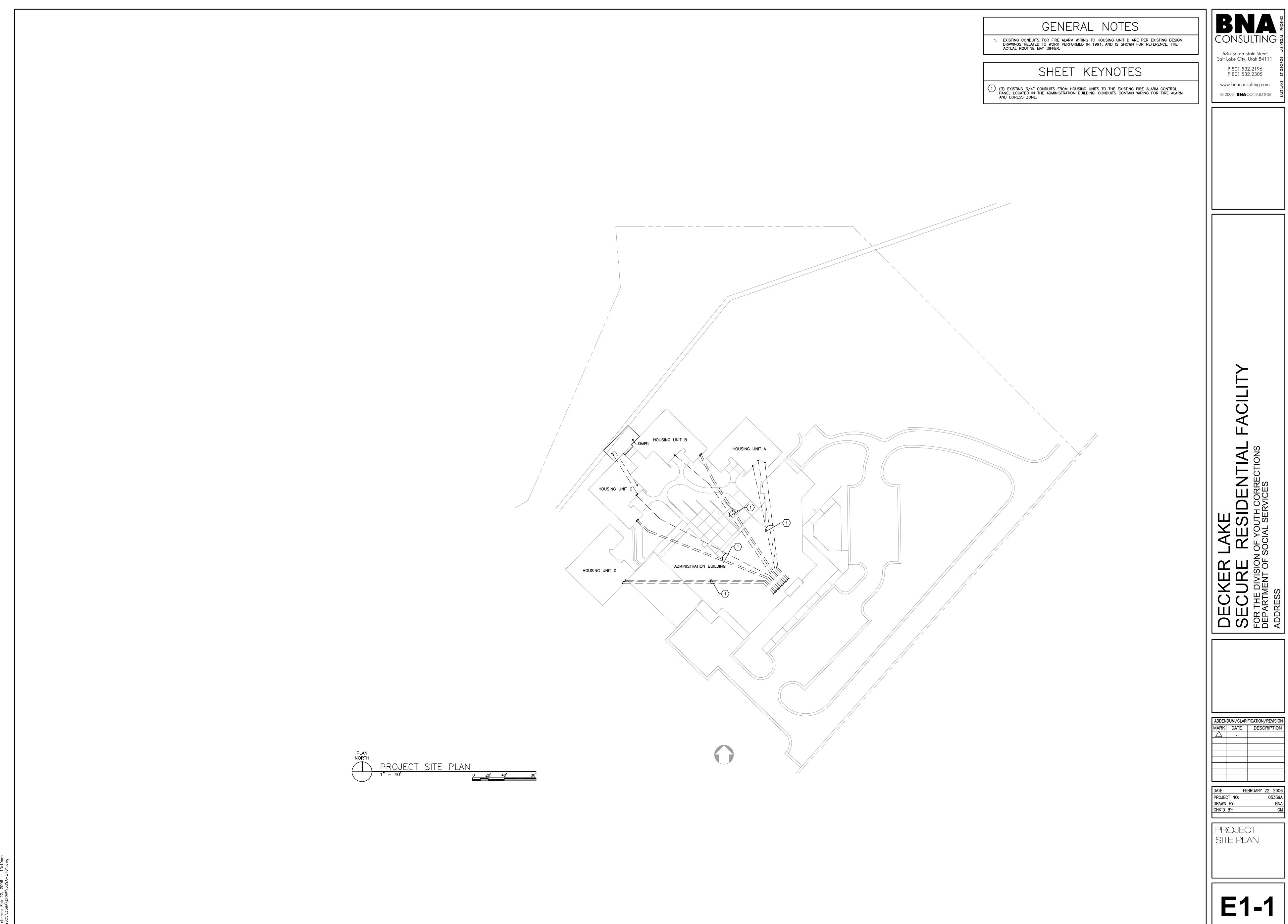
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NOTES

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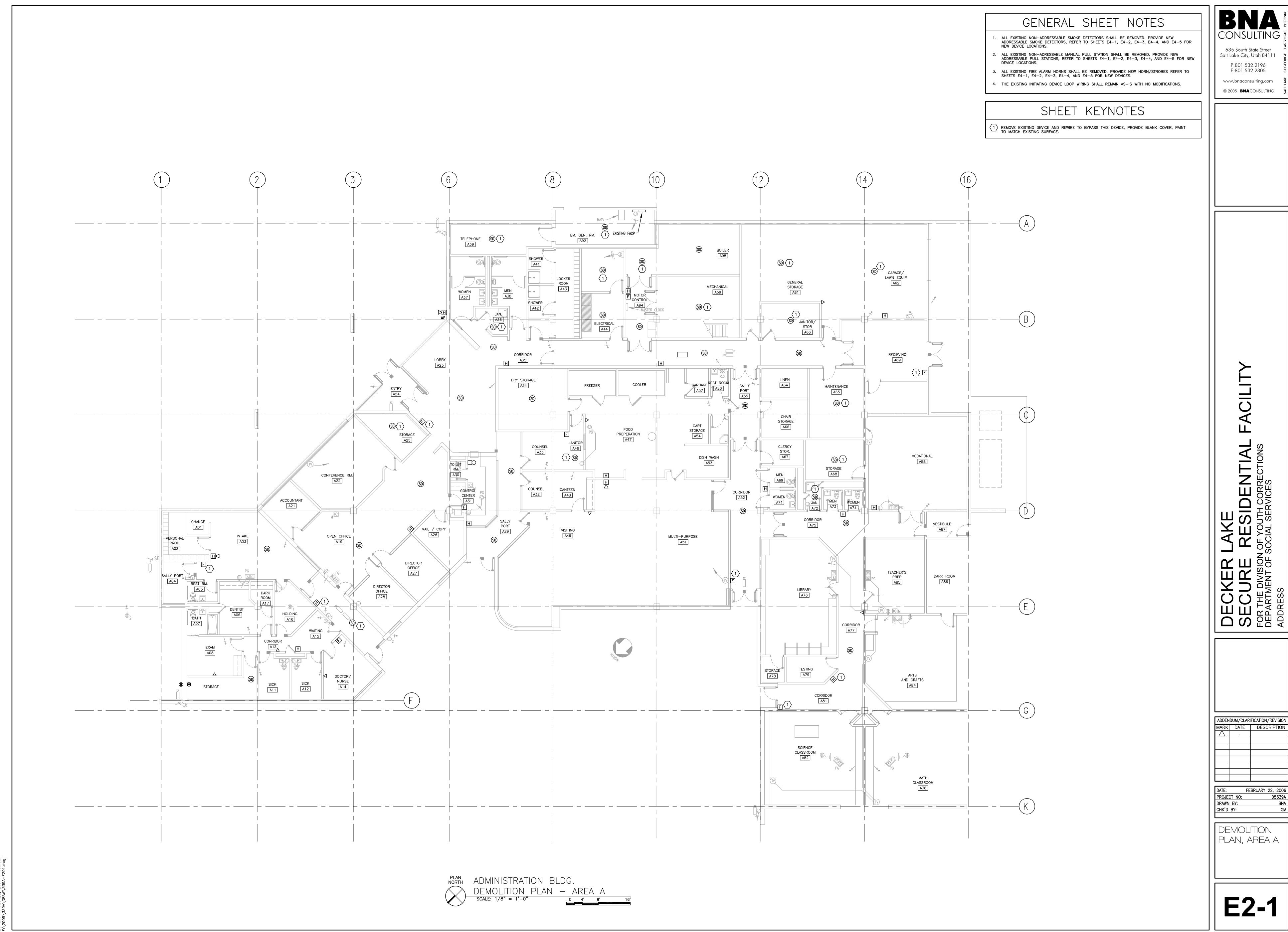
SYMBOLS, SCHEDULES AND NOTES

FEBRUARY 22, 2006

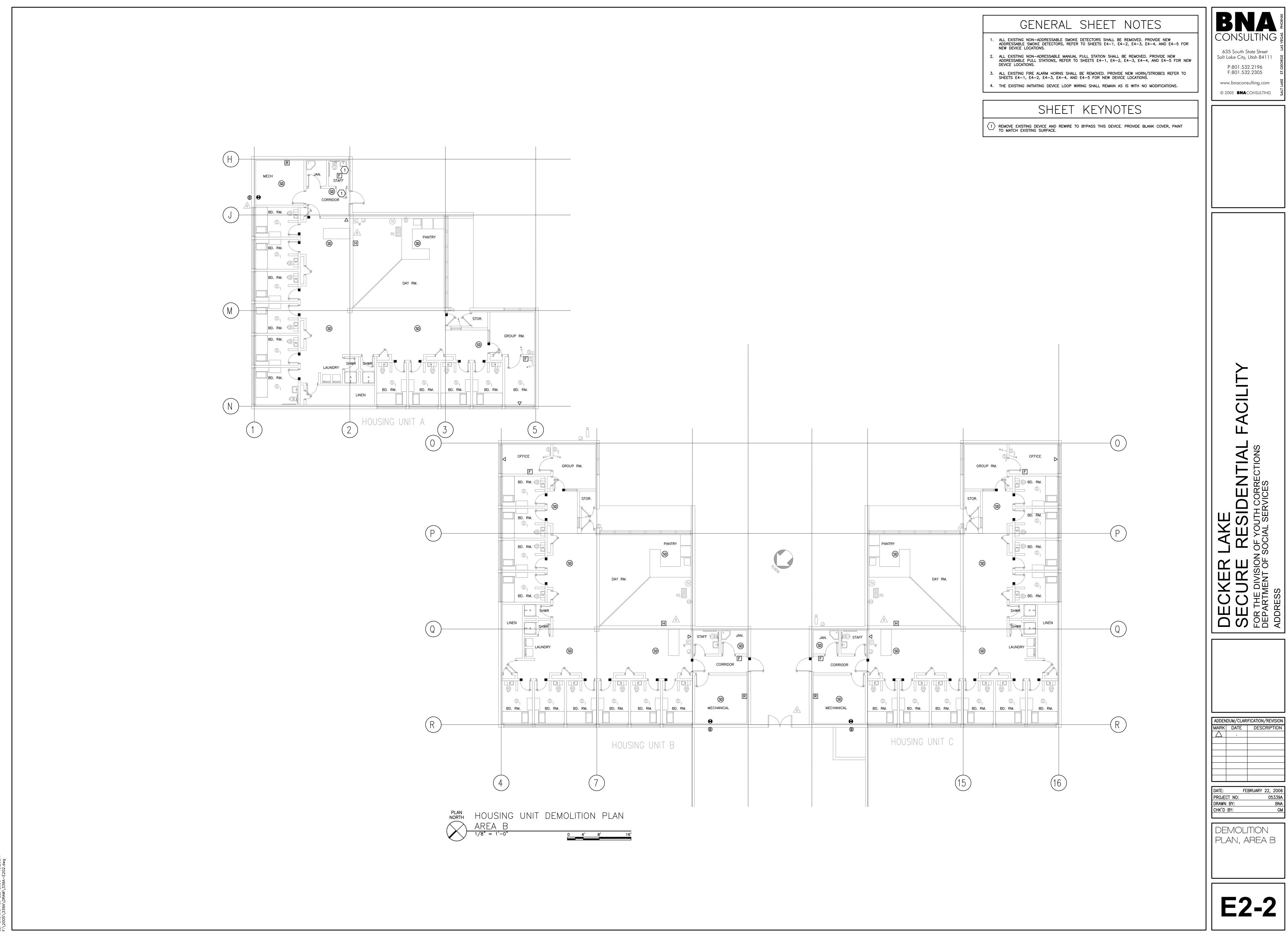


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DEMOLITION PLAN, AREA C

GYMNASIUM C01 WEIGHT LIFTING CO2 STORAGE C04

ADMINISTRATION BUILDING

DEMOLITION PLAN-AREA C

1/8" = 1'-0"

0 4'

GENERAL SHEET NOTES ALL EXISTING NON-ADDRESSABLE SMOKE DETECTORS SHALL BE REMOVED. PROVIDE NEW ADDRESSABLE SMOKE DETECTORS, REFER TO SHEETS E4-1, E4-2, E4-3, E4-4, AND E4-5 FOR NEW DEVICE LOCATIONS.

ALL EXISTING NON-ADRESSABLE MANUAL PULL STATION SHALL BE REMOVED. PROVIDE NEW ADDRESSABLE PULL STATIONS, REFER TO SHEETS E4-1, E4-2, E4-3, E4-4, AND E4-5 FOR NEW DEVICE LOCATIONS.

3. ALL EXISTING FIRE ALARM HORNS SHALL BE REMOVED. PROVIDE NEW HORN/STROBES REFER TO SHEETS E4-1, E4-2, E4-3, E4-4, AND E4-5 FOR NEW DEVICE LOCATIONS.

SHEET KEYNOTES

4. THE EXISTING INITIATING DEVICE LOOP WIRING SHALL REMAIN AS-IS WITH NO MODIFICATIONS.

REMOVE EXISTING DEVICE AND REWIRE TO BYPASS THIS DEVICE. PROVIDE BLANK COVER PAINT TO MATCH EXISTING SURFACE.

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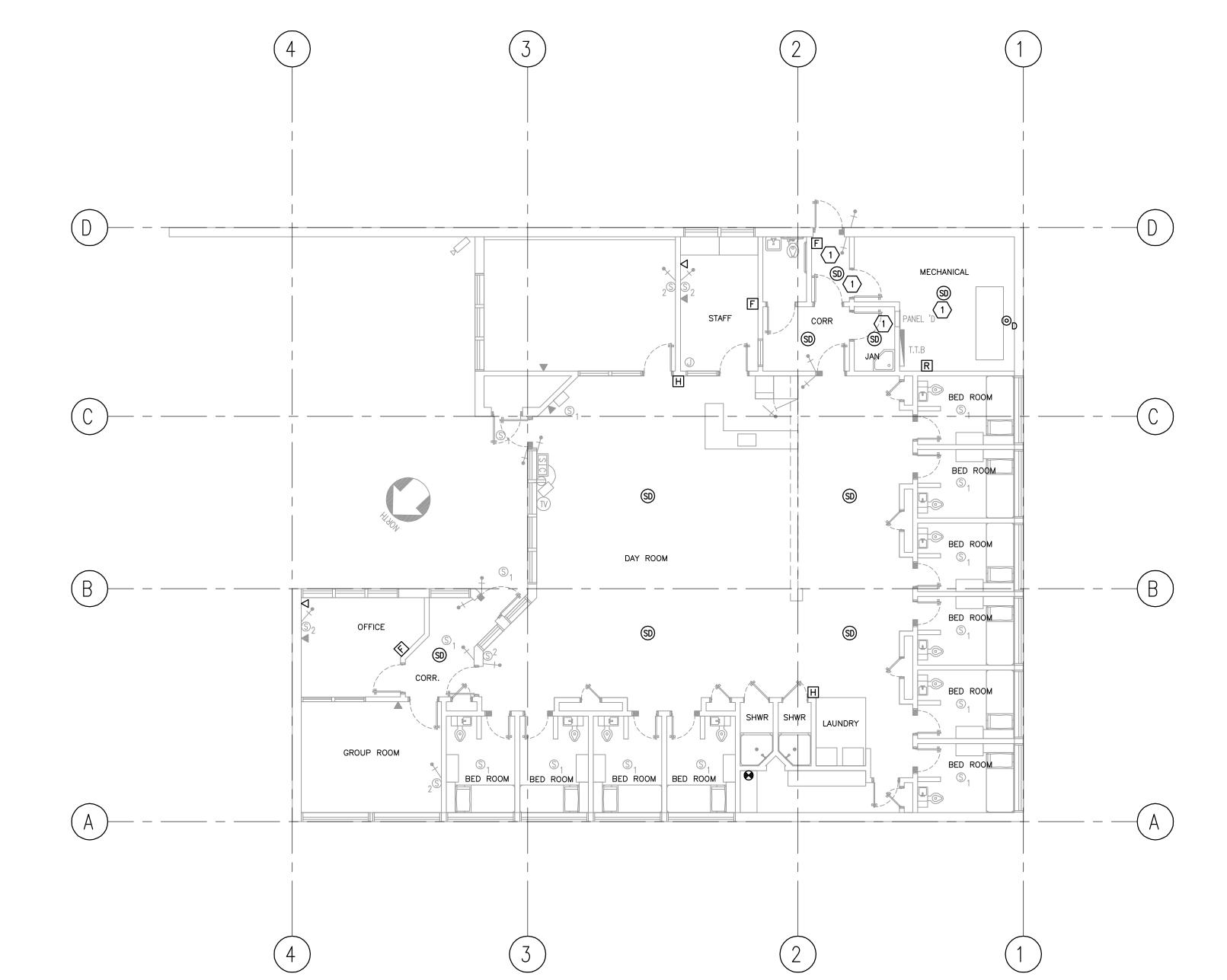
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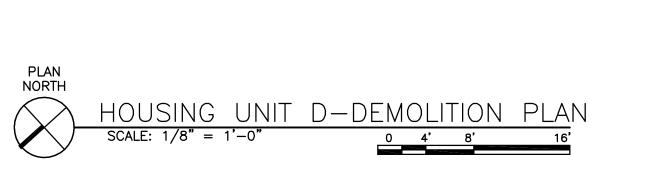
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SHEET KEYNOTES

4. THE EXISTING INITIATING DEVICE LOOP WIRING SHALL REMAIN AS-IS WITH NO MODIFICATIONS.

REMOVE EXISTING DEVICES AND REWIRE TO BYPASS THIS DEVICE. PROVIDE BLANK COVER, PAINT TO MATCH EXISTING SURFACE.





ADDENDUM/CLARIFICATION/REVISION

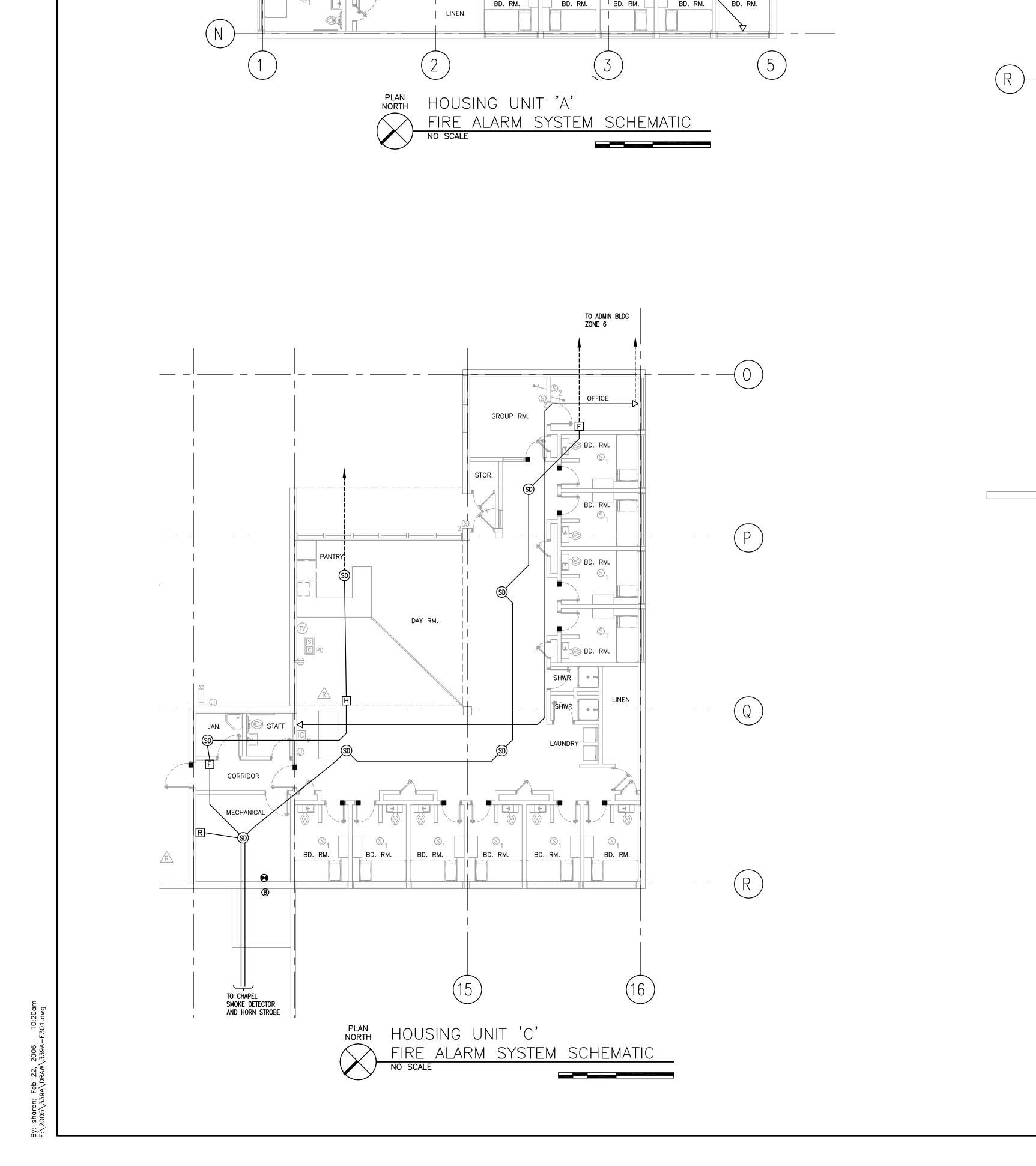
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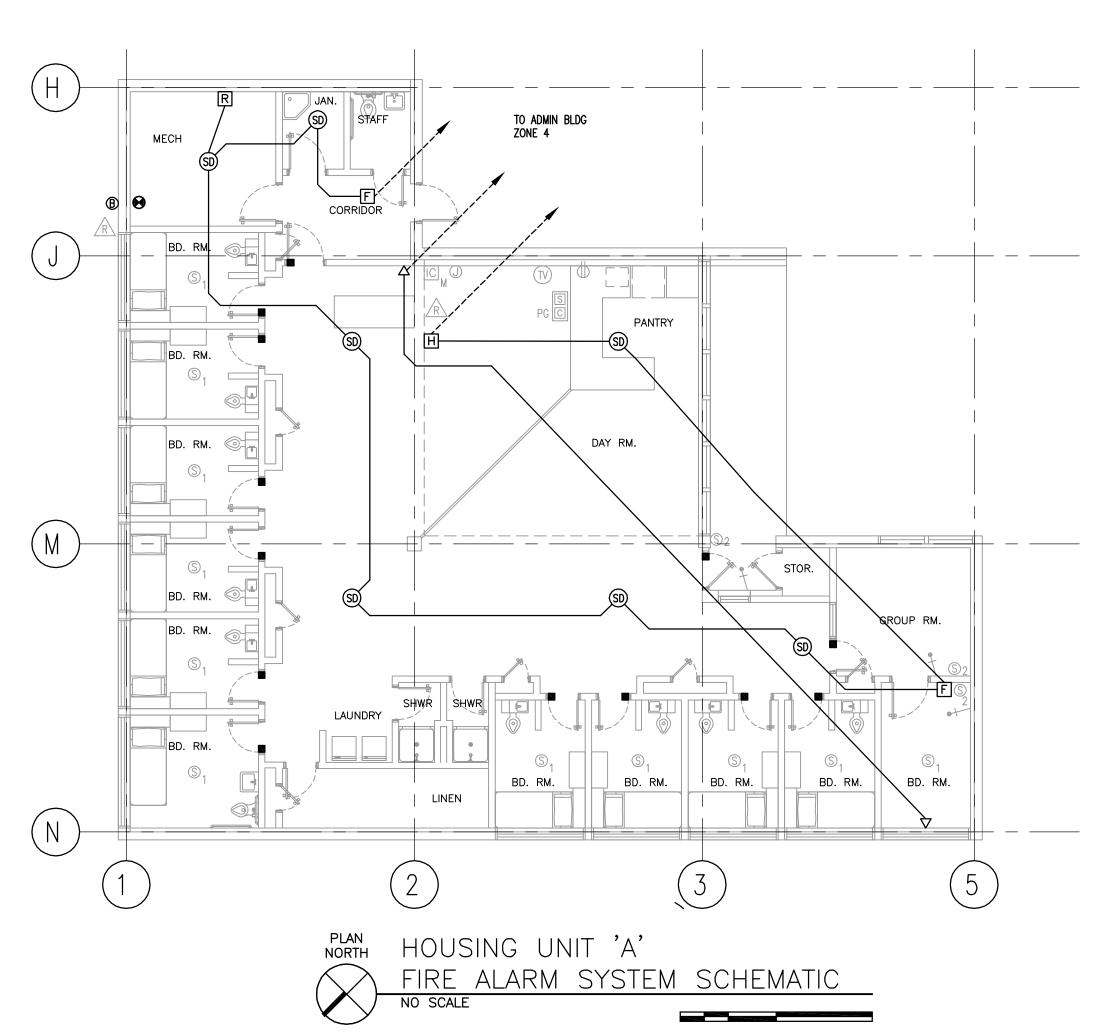
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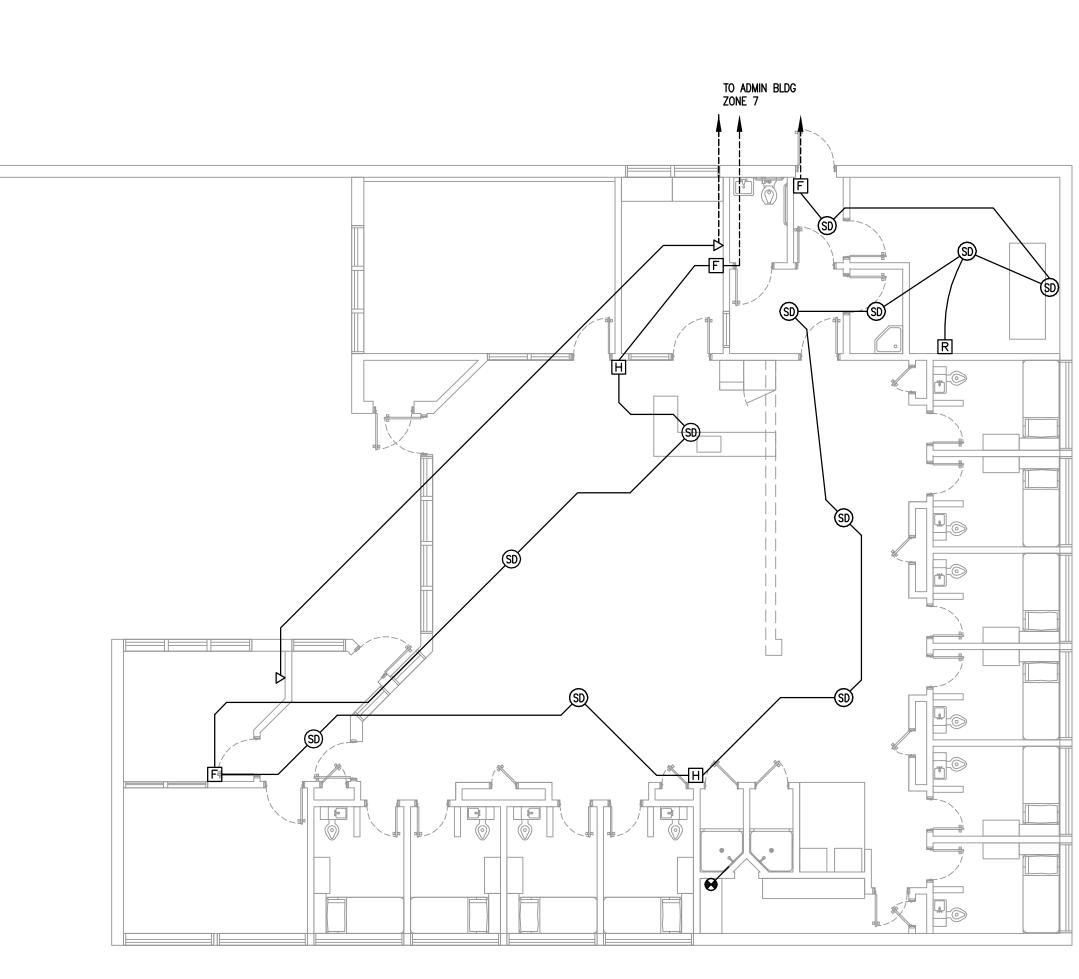
DATE: FEBRUARY 22, 2006
PROJECT NO: 05339A
DRAWN BY: BNA
CHK'D BY: GM

DEMOLITION
PLAN,
HOUSING

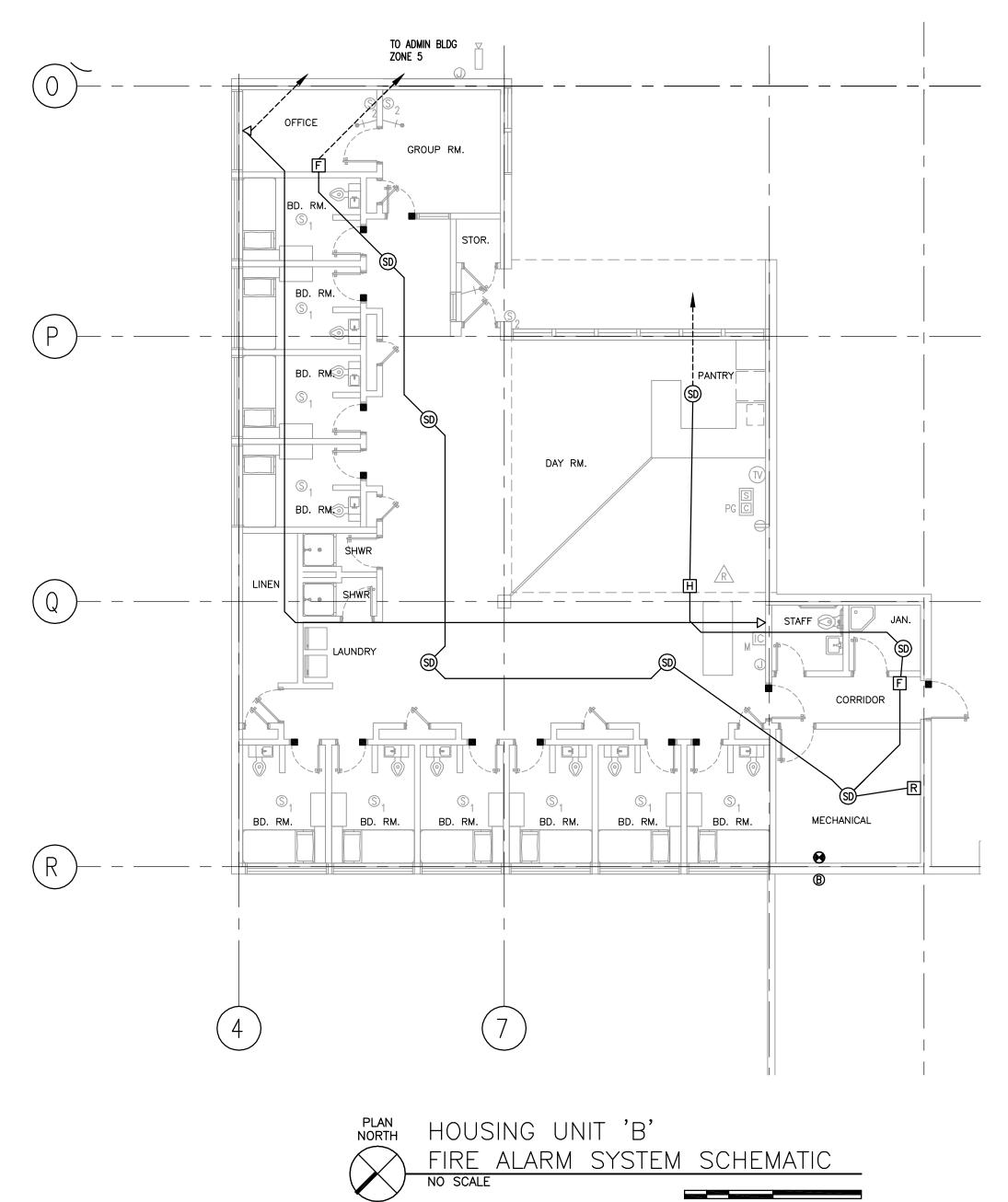
E2-4







PLAN NORTH HOUSING UNIT 'D'
FIRE ALARM SYSTEM SCHEMATIC
NO SCALE



FACILITY

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GENERAL NOTES

. INTERCONNECTING CONDUIT RUNS SHOWN ON THIS DRAWING ARE PER EXISTING RECORD DRAWINGS AND MAY NOT BE ENTIRELY ACCURATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT RUNS WHERE CONNECTION AND TIE-IN OF NEW DEVICES AND EQUIPMENT TO THE EXISTING WIRING IS PROVIDED.

ADDENDUM/CLARIFICATION/REVISION
MARK DATE DESCRIPTION

CON THE
DEPART

ADDRESS

ADDR

DATE:
PROJECT NO:
DRAWN BY:
CHK'D BY:

ELECTRICAL

SCHEMATICS

E3-1

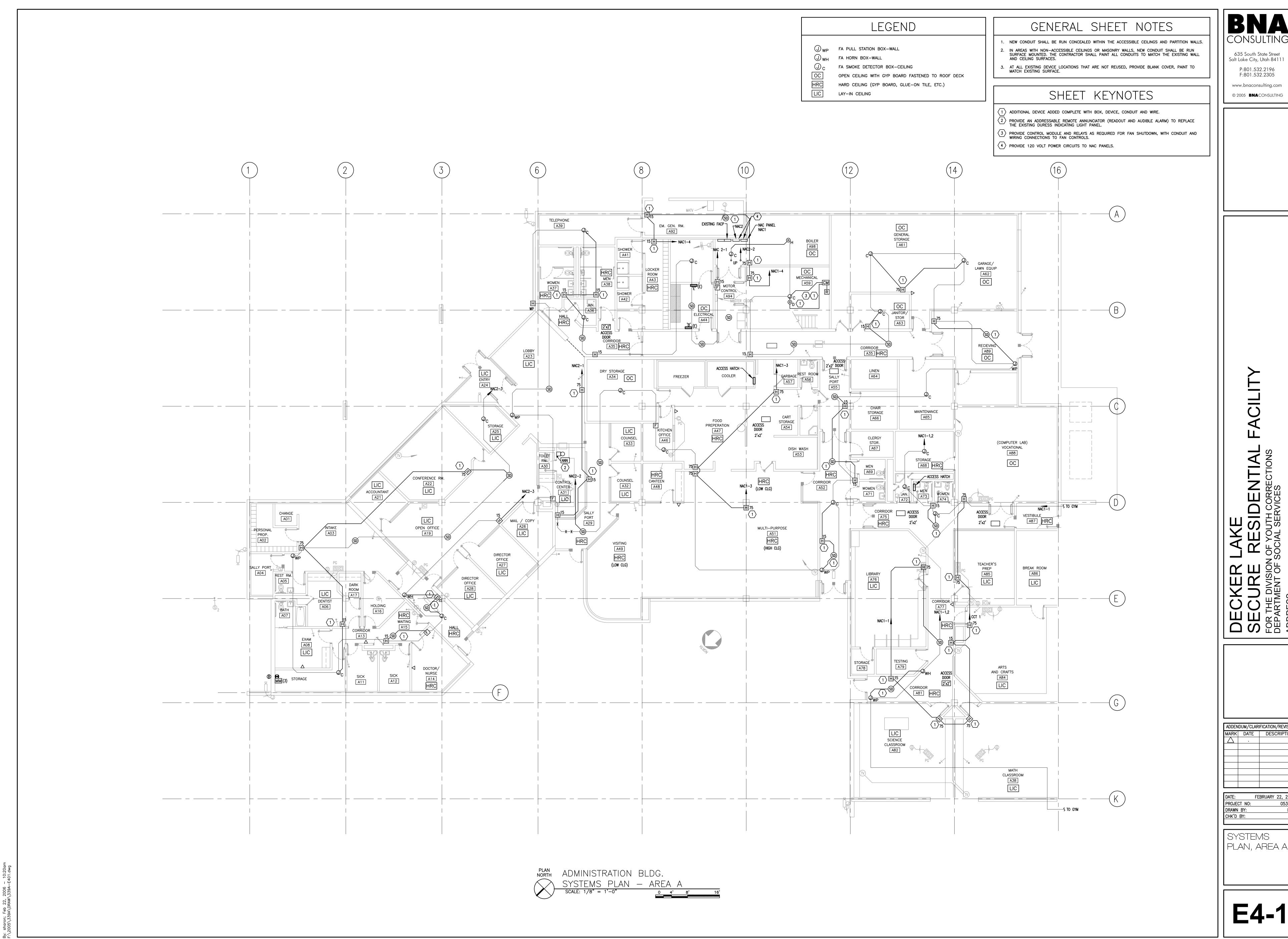
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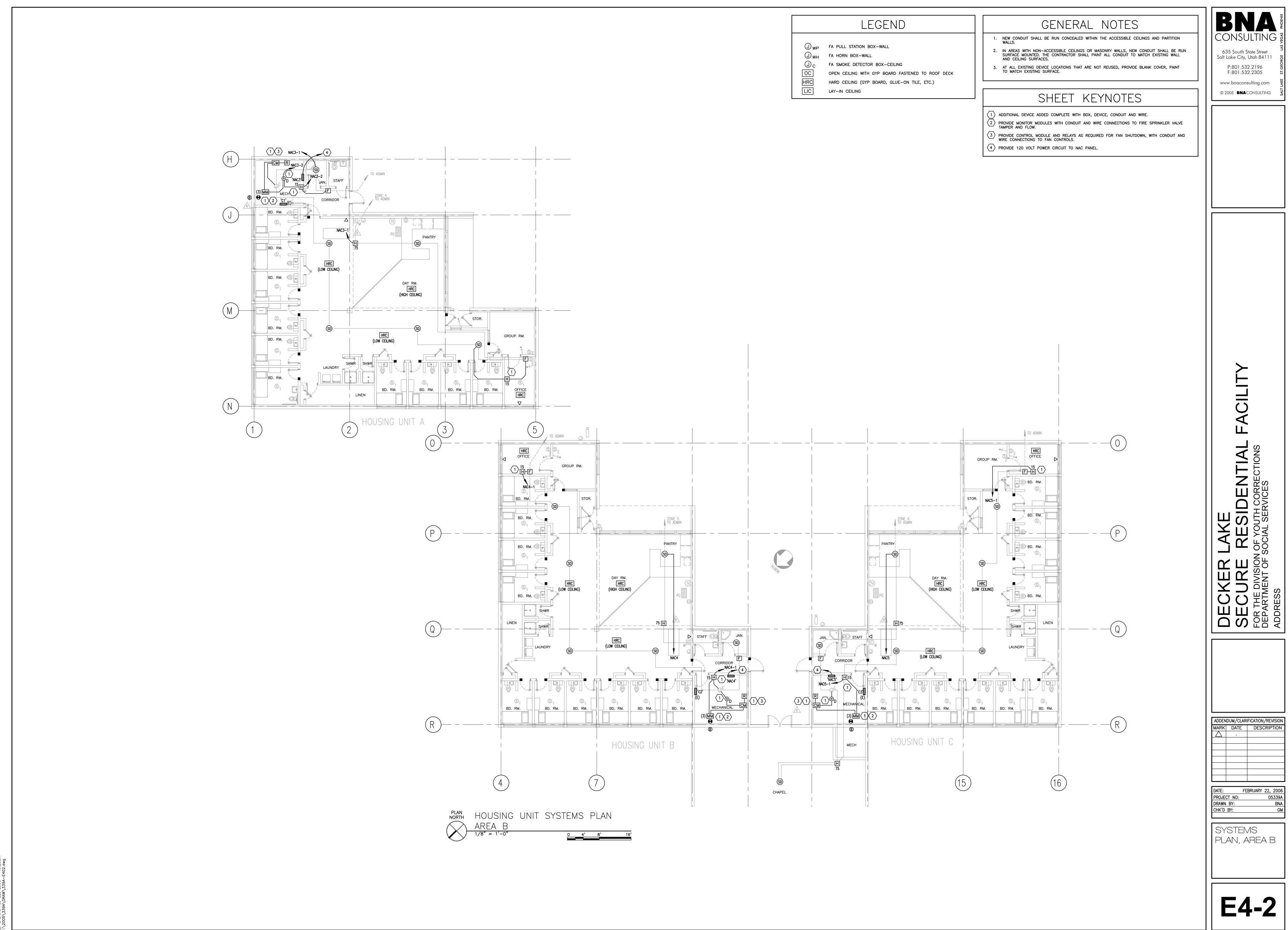
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LEGEND

U WH FA HORN BOX-WALL

WP FA PULL STATION BOX-WALL

O C FA SMOKE DETECTOR BOX-CEILING OPEN CEILING WITH GYP BOARD FASTENED TO ROOF DECK HARD CEILING (GYP BOARD, GLUE-ON TILE, ETC.) LAY-IN CEILING

GENERAL SHEET NOTES 1. NEW CONDUIT SHALL BE RUN CONCEALED WITHIN THE ACCESSIBLE CEILINGS AND PARTITION WALLS.

 IN AREAS WITH NON-ACCESSIBLE CEILINGS OR MASONRY WALLS, NEW CONDUIT SHALL BE RUN SURFACE MOUNTED. THE CONTRACTOR SHALL PAINT ALL CONDUIT TO MATCH THE EXISTING WALL AND CEILING SURFACES. AT AL EXISTING DEVICE LOCATIONS THAT ARE NOT REUSED, PROVIDE BLANK COVER, PAINT TO MATCH EXISTING SURFACE.

SHEET KEYNOTES

1) ADDITIONAL DEVICE ADDED COMPLETE WITH BOX, DEVICE, CONDUIT AND WIRE.

GYMNASIUM CO1 WEIGHT LIFTING CO2 STORAGE CO4

to admin 5

ADMINISTRATION BUILDING

SYSTEMS PLAN—AREA C

1/8" = 1'-0"

0
4'

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DRAWN BY:
CHK'D BY:

SYSTEMS PLAN, HOUSING

UNIT D

GENERAL SHEET NOTES

1. NEW CONDUIT SHALL BE RUN CONCEALED WITHIN THE ACCESSIBLE CEILINGS AND PARTITION WALLS. IN AREAS WITH NON-ACCESSIBLE CEILINGS OR MASONRY WALLS, NEW CONDUIT SHALL BE RUN SURFACE MOUNTED. THE CONTRACTOR SHALL PAINT ALL CONDUIT TO MATCH THE EXISTING WALL AND CEILING SURFACES.

AT ALL EXISTING DEVICE LOCATIONS THAT ARE NOT REUSED, PROVIDE BLANK COVER, PAINT TO MATCH EXISTING SURFACE.

PROVIDE MONITOR MODULES, WITH CONDUIT AND WIRE CONNECTIONS TO FIRE SPRINKLER VALVE TAMPER AND FLOW.

PROVIDE CONTROL MODULE AND RELAYS AS REQUIRED FOR FAN SHUTDOWN, WITH CONDUIT AND WIRE CONNECTIONS TO FAN CONTROLS.

1 ADDITIONAL DEVICE ADDED COMPLETE WITH BOX, DEVICE, CONDUIT, AND WIRE.

SHEET KEYNOTES

4 PROVIDE 120 VOLT POWER CIRCUIT TO NAC PANEL.

LEGEND

UWH FA HORN BOX-WALL FA SMOKE DETECTOR BOX-CEILING HARD CEILING (GYP BOARD, GLUE-ON TILE, ETC.) LAY-IN CEILING

GROUP ROOM

HOUSING UNIT D-SYSTEMS PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16

U WP FA PULL STATION BOX-WALL OPEN CEILING WITH GYP BOARD FASTENED TO ROOF DECK

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